

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 01047842  
PUBLICATION DATE : 22-02-89

APPLICATION DATE : 18-08-87  
APPLICATION NUMBER : 62204865

APPLICANT : SUMITOMO METAL IND LTD;

INVENTOR : KATABUCHI TAKEO;

INT.CL. : C23C 2/02 C23C 2/06 C23C 2/38

TITLE : PRODUCTION OF HOT-DIPPED GALVANIZED STEEL TUBE

ABSTRACT : PURPOSE: To reduce the thickness of a galvanized layer and to provide the titled steel tube with excellent bending resistance without impairing the corrosion resistance by subjecting the starting tube to a blasting treatment into the specific surface roughness and thereafter subjecting it to a pickling treatment and hot-dipping galvanizing.

CONSTITUTION: The starting tube is subjected to a shot blasting treatment into 20~80 $\mu$ m surface roughness, is degreased at need and is subjected to a pickling treatment for about 10~30min. Said tube is successively subjected to a flux treatment by the double salt of  $ZnCl_2$  and  $NH_4Cl_2$ , etc. The tube is thereafter subjected to ordinary hot-dipping galvanizing. By this method, the titled steel tube having sufficient corrosion resistance and showing excellent bending resistance can be obtd.

COPYRIGHT: (C)1989,JPO&Japio